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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

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JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2015-16/ **Date: 05-11-2015**

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements and asphalting to Virupakshapura and Sir M.V.Layout Main Road and Cross Roads in Ward No.09}

Ref.: Letter No. Testing/BUB/2015-16, dated 03-11-2015

Sample supplied to lab by: Sri.Aswathnarayana Contractor, Bangalore.

Report required for: Assistant Executive Engineer, Vidyaranyapura Sub-Division. BBMP, Bangalore.

TEST RESULTS:

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.08%**
2. **Gradation Test :**

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**95.30**	90—100
4.75	**44.00**	35—51
2.36	**33.10**	24—39
1.18	**21.00**	15—30
0.3	**16.80**	09—19
0.075	**4.80**	03—08

* As furnished by Client.
The Results relate only to the items tested.

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TABLE 12 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**24.20%**	Not more than 30 %
2	Impact Value	----,,----	**25.70 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.40%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**97.50 %**	Minimum retained coating 95.0 **%**

*As Furnished by Client

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